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IN THE CLAIMS

Please amend the claims as follows:

1-20. (Canceled)

21. (Currently Amended) A non-transitory storage medium having stored thereon data representing a stream of cells, the cells being addressable units of the stream, the stream comprising content cells and navigation data, the content cells being linked in accordance with the navigation data, at least one of the cells of the stream being a reproduction obstructing cell physically stored before or after a linked content cell, said at least one reproduction obstructing cell forming part of said cells of the stream, wherein the content cells, [[and]] at least one of said navigation data, and the at least one reproduction obstructing cell are arranged such that accessing the data on the storage medium in a copy mode, in which the [[data]] content cells, the navigation data, and the at least one reproduction obstructing cell are to be copied from the storage medium onto a recordable record carrier and the content cells are not accessed according to said navigation data, provides disturbed data access of reduced quality, whereas accessing the data on the storage medium in a reproduction mode, in which the content cells are accessed according to said navigation data, provides undisturbed access.

the cells further comprising at least one reproduction obstructing cell physically stored before or after a linked content cell, said at least one reproduction obstructing cell forming part of said cells and being wherein said at least one reproduction obstructing cell is arranged such that access in said reproduction mode includes navigating around said at least one reproduction obstructing cell when linked content cells are accessed, whereas access in said copy mode includes accessing linked content cells in addition to said at least one reproduction obstructing cell.

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22. (Previously Presented) The non-transitory storage medium according to claim

21, wherein the copy mode is a generally linear access mode.

23-24. (Canceled)

25. (Previously Presented) The non-transitory storage medium according to claim

21, wherein an access of said at least one reproduction obstructing cell prohibits or disturbs a

further reproduction or reduces an entertainment value of reproduced content that is

originally stored within the content cells on the storage medium.

26. (Currently Amended) The non-transitory storage medium according to claim 25,

wherein said at least one reproduction obstructing cell includes data having an effect that data

stored on the storage medium does not conform with the DVD physical specification by at

least one of the group comprising:

infringing rules of EFM+ coding;

setting incorrect ECC data for at least one of PI and PO;

setting at least one of incorrect EDC, ID, CPR_MAI and IED data;

addition of illegal UDF file system data; and

setting of illegal UDF file system data.

27. (Currently Amended) The non-transitory storage medium according to claim 21,

wherein said at least one reproduction obstructing cell includes data of at least one of the

group comprising:

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data that does not conform to a streaming media standard appropriate to the storage

medium;

data that generates permutations of reproduced content stored within the content cells;

data that adds content unrelated to the content stored within neighboring content cells;

data that adds advertising content stored within neighboring content cells.

28. (Previously Presented) The non-transitory storage medium according to claim

21, wherein said at least one reproduction obstructing cell is a stream of linked reproduction

obstructing cells that is interleaved with at least one stream of content cells, wherein each of

the stream linked cells provides one playback path, and the playback path corresponding to

the linked reproduction obstructing cell is not followed by a reproduction device accessing

the storage medium in accordance with said reproduction mode.

29. (Previously Presented) The non-transitory storage medium according to claim

21, wherein said navigation data includes branch commands that are arranged in at least one

of pre-commands and post-commands of program chains that include at least one program or

in cell commands within programs, which are defined as a sequence of content cells.

30. (Currently Amended) A method to provide copy protection of a non-transitory

storage medium having stored thereon data representing a stream of cells, the cells being

addressable units of the stream, the stream comprising content cells and navigation data, the

method comprising:

preparing the stream of cells, the cells being addressable units of the stream, the

stream comprising content cells and navigation data;

linking the content cells in accordance with the navigation data[[,]];

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inserting at least one reproduction obstructing cell before or after a linked content cell, said at least one reproduction obstructing cell forming part of said cells of the stream, wherein the content cells and at least one of said navigation data are arranged such that accessing the data on the storage medium in a copy mode, in which the data are to be copied from the storage medium onto a recordable record carrier and the content cells are not accessed in accordance with the navigation data, provides disturbed data access of reduced quality, whereas accessing the data on the storage medium in a reproduction mode, in which the content cells are accessed in accordance with the navigation data, provides undisturbed access; and,

physically storing at least one reproduction obstructing cell before or after a linked content cell, said at least one reproduction obstructing cell forming part of said cells and being wherein said at least one reproduction obstructing cell is arranged such that access in said reproduction mode includes navigating around said at least one reproduction obstructing cell when linked content cells are accessed, whereas access in said copy mode includes accessing linked content cells in addition to said at least one reproduction obstructing cell.

31. (Previously Presented) The method according to claim 30, wherein the copy mode is a generally linear access mode.

32-33. (Canceled)

34. (Previously Presented) The method according to claim 30, further comprising: selecting a content of said at least one reproduction obstruction cell so that an access of said at least one reproducing obstruction cell prohibits or disturbs a further reproduction or

reduces an entertainment value of reproduced content that is originally stored within the content cells on the storage medium.

35. (Currently Amended) The method according to claim 30, further comprising:

inserting data into wherein said of least one reproduction obstructing cell having has
an effect that data stored on the storage medium does not conform with the DVD physical
specification by at least one of the group comprising:

infringing rules of EFM+ coding;

setting incorrect ECC data for at least one of PI and PO; setting at least one of incorrect EDC, ID, CPR_MAI and IED data; addition of illegal UDF file system data; and setting of illegal UDF file system data.

36. (Currently Amended) The method according to claim 30, further comprising: inserting data into wherein said at least one reproduction obstructing cell includes including data of at least one of the group comprising:

data that does not conform to a streaming media standard appropriate to the storage medium;

data that generates permutations of reproduced content stored within the content cells; data that adds content unrelated to the content stored within neighboring content cells; data that adds advertising content stored within neighboring content cells.

37. (Previously Presented) The method according to claim 30, further comprising: using navigation data to provide the linking of said linked content cells, in particular branch commands that are arranged in at least one of pre-commands and post-commands of

program chains that include at least one program or in cell commands within programs, which are defined as a sequence of content cells.

38. (Currently Amended) The method according to claim 30, further comprising: interleaving said at least one reproduction obstructing cell, which constitutes a stream of linked reproduction obstructing cells, with which at least one stream of content cells, wherein each of the stream of linked cells provides one playback path, and the playback path corresponding to the linked reproduction obstructing cell is not followed by a reproduction device accessing the data carrier in accordance with said reproduction mode.

39. (Currently Amended) A method for producing at least one copy of at least a portion of data stored on a first non-transitory storage medium, the first storage medium having stored thereon data representing a stream of cells, the cells being addressable units of the stream, the stream comprising content cells and navigation data, the method comprising:

linking the content cells in accordance with the navigation data, wherein to produce the at least one copy, data representing the stream of cells is accessed in accordance with the navigation data, and wherein said accessed data is transferred as a copy to a second non-transitory storage medium; and

determining all reproduction obstructing cells physically stored before or after a linked content cell, and modifying or removing the determined reproduction obstructing cells such that the copy of the storage medium is not obstructed.

40. (Canceled)

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41. (Previously Presented) A non-transitory computer readable medium storing a program that when executed on a computer or digital signal processor, causes the computer or the digital signal processor to perform the method steps as defined in claim 30.

42-45. (Canceled)

46. (Previously Presented) The method of claim 31, further comprising:

providing standard type file system structures and file content and non-standard type file system structures and file content used to locate the linked content cells on the storage medium, respectively, wherein said non-standard type file system structures and file content routes a read out device to reproduction obstruction data and cyclic data.

- 47. (Previously Presented) The method of claim 39, further comprising:

 determining of a linking order of the at least one stream of linked content cells and
 physically storing the at least one stream of linked content cells such that a reproduction of
 the copy of the first storage medium is not obstructed.
- 48. (Previously Presented) The method of claim 39, further comprising:
 locating a root navigation file only using at least one of file system structures and file
 content related to the linked content cells as described in the standard of the first storage
 medium.
- 49. (Currently Amended) A non-transitory storage medium having stored thereon data representing a stream of cells, the cells being addressable units of the stream, the stream comprising content cells and navigation data, the content cells being linked in accordance

with the navigation data, wherein the content cells and at least one of said navigation data are arranged such that accessing the data on the data carrier in a copy mode, in which the data are to be copied from the storage medium onto a recordable record carrier and the content cells are not accessed copied in accordance with said navigation data, provides disturbed data access of reduced quality, whereas accessing the data on the data carrier in a reproduction mode, in which the content cells are accessed in accordance with said navigation data, provides undisturbed access.

50. (Previously Presented) The non-transitory storage medium according to Claim 49, further comprising:

first file system data structures and file content conforming to a storage medium standard and second file system data structures and file content not conforming to the storage medium standard, wherein the second file system data structures and file content route said copy mode to reproduction obstruction data or cyclic data, and wherein said reproduction mode will navigate around said reproduction obstruction data or cyclic data.

51. (Currently Amended) A method to provide copy protection of a non-transitory storage medium having stored thereon data representing a stream of cells, the cells being addressable units of the stream, the stream comprising content cells and navigation data, the method comprising:

linking the content cells in accordance with the navigation data, wherein the content cells and at least one of said navigation data are arranged such that accessing the data on the storage medium in a copy mode, in which the data are to be copied from the storage medium onto a recordable carrier and the content cells are not accessed copied in accordance with said navigation data, provides disturbed data access of reduced quality, whereas accessing the data

on the storage medium in a reproduction mode, in which the content cells are accessed in accordance with said navigation data, provides undisturbed access.

52. (Previously Presented) The method to provide copy protection of a non-transitory storage medium according to Claim 51, the method further comprising:

storing first file system data structures and file content conforming to a storage medium standard and second file system data structures and file content not conforming to the storage medium standard, wherein the second file system data structures and file content route said copy mode to reproduction obstruction data or cyclic data, and wherein said reproduction mode will navigate around said reproduction obstruction data or cyclic data.

53. (Previously Presented) The non-transitory storage medium according to claim49, further comprising:

a physical storage arrangement of at least one content cell of the at least one stream of linked content cells that is not in conformity with the linking order of the content cells such that said copy mode will access said at least one stream of linked content cells in an order as physically stored, and said reproduction mode will access said at least one stream of linked content cells in an order conforming to the linking order of the content cells.

54. (Previously Presented) The non-transitory storage medium according to claim 49, wherein a number of content cells that is accessed in the copy mode is greater than or equal to a number of content cells that is accessed according to the reproduction mode.

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55. (Previously Presented) The non-transitory storage medium according to claim 49, wherein the navigation data is stored in a route navigation file that is stored on the storage medium.

56. (Previously Presented) The non-transitory storage medium according to claim 49, wherein the navigation data is configured to be used to allow user interaction.

57. (Previously Presented) The non-transitory storage medium according to claim 49, further comprising:

a physical storage arrangement of at least one content cell of the at least one stream of linked content cells that is not in conformity with the linking order of the content cells such that said copy mode will access said at least one stream of linked content cells in an order as physically stored, and said reproduction mode will access said at least one stream of linked content cells in an order conforming to the linking order of the content cells.

- 58. (Previously Presented) The method to provide copy protection of a non-transitory storage medium according to claim 51, wherein a number of content cells that is accessed in the copy mode is greater or equal to a number of content cells that is accessed according to the reproduction mode.
- 59. (Previously Presented) The method to provide copy protection of a non-transitory storage medium according to claim 51, wherein the navigation data is stored in a route navigation file that is stored on the storage medium.

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60. (Previously Presented) The method to provide copy protection of a non-

transitory storage medium according to claim 51, wherein the navigation data is configured to

be used to allow user interaction.

61. (New) The non-transitory storage medium according to claim 21, wherein said at

least one reproduction obstructing cell comprises data that does not conform to a used

streaming media standard appropriate to the storage medium.

62. (New) The non-transitory storage medium according to claim 21, wherein the at

least one reproduction obstructing cell comprises data that is configured to generate

permutations of reproduced content stored within the content cells.

63. (New) The non-transitory storage medium according to claim 21, wherein the at

least one reproduction obstructing cell comprises data that is configured to add content that is

not related to the content stored in neighboring content cells.

64. (New) The non-transitory storage medium according to claim 21, wherein the at

least one reproduction obstructing cell is configured to modify reproduced audio and/or video

content stored in the content cells.

65. (New) The method according to claim 30, wherein the content cells are

reproduced from the copy in the order as physically stored on the storage medium.

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66. (New): The method according to claim 30, wherein said at least one reproduction obstructing cell includes data that does not conform to a streaming media standard appropriate to the storage medium.

67. (New) The method according to claim 30, wherein said at least one reproduction obstructing cell includes data that generates permutations of reproduced content in the content cells.

68. (New) The method according to claim 30, wherein the at least one reproduction obstructing cell includes data that adds content unrelated to the content stored in neighboring content cells.

69. (New) The non-transitory storage medium according to claim 21, wherein said at least one reproduction obstructing cell includes data having an effect that data stored on the storage medium does not conform with the DVD physical specification by infringing rules of EFM+ coding.

70. (New) The method according to claim 30, wherein said at least one reproduction obstructing cell has an effect that data stored on the storage medium does not conform with the DVD physical specification by infringing rules of EFM+ coding.